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WHAT IS CLAIMED:

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	1	1. A liner for a shaped charge comprising:
	2	a mixture of powdered heavy metal and powdered binder metal formed into a rigid body
	3	wherein
	4	the percentage of heavy metal in the mixture is within a range of approximately 90.0% to
	5	99.98% by weight.
	1	
	1	2. A liner for a shaped charge according to claim 1 wherein
The same	2	the heavy metal powder is chosen from the group consisting of tungsten, tantalum, hafnium
Art. 12. 12. 13. 14. 14. 14. 14. 14. 14. 14. 14. 14. 14	3	silver, gold, platinum, copper, or any mixture thereof.
	1	
In the first state of the first	1	3. A liner for a shaped charge according to claim 1 wherein
	2	the heavy metal consists essentially of tungsten.
	1	
	1	4. A liner for a shaped charge according to claim 1 wherein
	2	the percentage of heavy metal in the mixture is within a range of approximately 99.0% to
	3	99.98% by weight.
	1	
	1	5. A liner for a shaped charge according to claim 1 wherein
	2	the binder metal is chosen from the group consisting of copper, lead, zinc, tin, and bismuth.
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	1	6. A liner for a shaped charge according to claim 1 wherein
	2	the binder metal consists essentially of lead.
	1	
	1	7. A liner for a shaped charge according to claim 1 wherein
	2	the mixture further comprises approximately 0.02% to 1.0% lubricant by weight.
	1	
	1	8. A liner for a shaped charge according to claim 7 wherein
	2	the lubricant comprises powdered graphite.
	1	
Ben Mills	1	9. A liner for a shaped charge according to claim 7 wherein
noon are all and the holy had been the holy the term of the holy the term of the holy the term of the terms o	2	the lubricant comprises oil.
ore of the second	1	
	1	10. A liner for a shaped charged according to claim 1 wherein
Jan H. H.	2	the percentage of heavy metal in the mixture is approximately 93.0%
Hart to was the state of the st	1	
	1	11. A liner for a shaped charge comprising:
	2	heavy metal powder, coated with a binder metal, formed into a rigid body.
	1	
	1	12. A liner for a shaped charge according to claim 11 wherein
	2	the heavy metal powder is chosen from the group consisting of tungsten, tantalum, hafnium,
	3	platinum, silver, gold, copper, or any mixture thereof.
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	1	13. A liner for a shaped charge according to claim 11 wherein
	2	the heavy metal comprises tungsten.
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	1	14. A liner for a shaped charge according to claim 11 wherein
	2	the binder metal is chosen from the group consisting of copper, tin, zinc, lead, bismuth or
	3	any mixture thereof.
	1	
	1	15. A liner for a shaped charge according to claim 11 wherein
	2	the percentage of heavy metal in the heavy metal powder is within a range of approximately
then are the first field for the feel feel feel for the feel for the feel feel feel feel feel feel feel fe	3	90.0% to 99.98% by weight.
	1	
	1	16. A liner for a shaped charge according to claim 11 wherein
A Port	2	the percentage of heavy metal in the heavy metal liner is approximately 93.0%
San Line San Line San San	1	
and the first of t	1	17. A liner for a shaped charge according to claim 11 wherein
erin de	2	the percentage of heavy metal is within a range of approximately 99.0% to 99.98% by
	3	weight.
	1	
	1	18. A liner for a shaped charge according to claim 11 wherein
	2	the heavy metal powder, coated with binder metal, is mixed with approximately 0.02% -
	3	1.0% lubricant by weight.
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The state of the s	1	19. A liner for a shaped charge according to claim 18 wherein
	2	the lubricant comprises powdered graphite.
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	1	20. A liner for a shaped charge according to claim 18 wherein
	2	the lubricant comprises oil.
	3	
	1	21. A liner for a shaped charge comprising:
	2	a mixture of powdered heavy metal, powdered metal binder, and a heavy metal powder
	3	coated with a binder metal formed into a rigid body.
	1	
	1	22. A liner for a shaped charge according to claim 21 wherein
And	2	the rigid body is substantially conical.
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	1	23. A liner for a shaped charge according to claim 21 wherein
	2	the rigid body is substantially conical.
	3	
	1	24. A liner for a shaped charge according to claim 21 wherein
	2	the rigid body is substantially conical.
	1	
	1	25. A liner for a shaped charge according to claim 21 wherein
	2	the percentage of heavy metal in the mixture is within a range of approximately 90.0% to
	3	99.98% by weight.
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1	26. A liner for a shaped charge according to claim 21 wherein
2	the percentage of heavy metal in the mixture is approximately 93.0%.
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1	27. A liner for a shaped charge according to claim 21 wherein
2	the heavy metal powder is chosen from the group consisting of tungsten, tantalum, hafnium
3	silver, gold, platinum, copper, or any mixture thereof.
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1	28. A liner for a shaped charge according to claim 21 wherein
2	the heavy metal consists essentially of tungsten.
1	
1	29. A liner for a shaped charge according to claim 21 wherein
2	the percentage of heavy metal in the mixture is within a range of approximately 99.0% to
3	99.98% by weight.
1	
1	30. A liner for a shaped charge according to claim 21 wherein
2	the binder metal is chosen from the group consisting of copper, lead, zinc, tin, and bismuth.
1	
1	31. A liner for a shaped charge according to claim 21 wherein
2	the binder metal consists essentially of lead.
1	
1	32. A liner for a shaped charge according to claim 21 wherein
2	the mixture further comprises approximately 0.02% to 1.0% lubricant by weight.
1	

1	33. A liner for a shaped charge according to claim 21 wherein
2	the lubricant comprises powdered graphite
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1	34. A liner for a shaped charge according to claim 21 wherein
2	the lubricant comprises oil
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1	35. A liner for a shaped charge according to claim 21 wherein
2	the mixture is compressively formed
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1	36. A liner for a shaped charge according to claim 1 wherein
2	the mixture is compressively formed.
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1	37. A liner for a shaped charge according to claim 11 wherein
2	The mixture is compressively formed.